Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/23/2020 01:00 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124779	-1	2.19	124923	2.16
Blue	F	SSC	125000	124293	-1	1.51	125067	1.50
Blue	E	FITC	16433	15995	-3	2.82	348	20.19
Blue	D	PE	27595	27238	-2	2.05	594	14.79
Blue	B	PerCP-Cy5-5	43183	42798	-1	3.65	1164	20.78
Blue	A	PE-Cy7	31943	32407	1	6.21	627	41.01
Red	C	APC	42819	42539	-1	2.43	1504	12.00
Red	A	APC-Cy7	31261	30280	-4	2.31	821	11.73
Violet	B	V450	6527	6234	-5	4.63	351	13.18
Violet	A	V500	24533	23744	-4	4.50	552	10.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17595	12.02	617	17	N/A	N/A	Pass
Blue	F	SSC	56688	1.18	560	12	N/A	N/A	Pass
Blue	E	FITC	63	62.06	544	5	0.0190	69	Pass
Blue	D	PE	124	49.42	542	8	0.1586	258	Pass
Blue	B	PerCP-Cy5-5	216	53.82	657	15	0.0089	166	Pass
Blue	A	PE-Cy7	115	110.24	708	19	0.0112	45	Pass
Red	C	APC	359	25.36	583	0	0.0253	195	Pass
Red	A	APC-Cy7	182	27.92	562	-1	0.0056	876	Pass
Violet	B	V450	53	59.30	449	-6	0.0518	2039	Pass
Violet	A	V500	83	31.40	461	-6	0.0232	475	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.58	-32.17	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	15.63	13.60 - 20.40	N/A	N/A	29.63	30.14	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9899

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments